UNITED STATES PATENT AND TRADEMARK OFFICE **CERTIFICATE OF CORRECTION**

PATENT NO.

: 6,989,863 B1

Page 1 of 1

APPLICATION NO.: 09/384973

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INVENTOR(S)

: Hidekazu Takahashi

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON TITLE PAGE AT (54) TITLE

"AD" should read -- AND--.

COLUMN 1

Line 3, "AD" should read --AND--.

COLUMN 4

Line 27, " C_{SM}) G_{DCM} " should read -- G_{SM} G_{DCM} --.

COLUMN 5

Line 25, "-2_T" should read --2N_T--; and Line 26, " $(-2N_T+n_M)$." should read -- $(-2N_T+N_M)$.--.

COLUMN 6

Line 63, " ϕ_{CR} ," should read -- ϕ_{GR} ,--.

Signed and Sealed this

Eighth Day of August, 2006

JON W. DUDAS Director of the United States Patent and Trademark Office